



Mylar® ADS

Product Description

Mylar® polyester film is a flexible, strong and durable film with an usual balance of properties making it suitable for many industrial applications. Type ADS MYLAR® is a tough, **low shrink** film which is translucent. Type ADS MYLAR® is primarily used for electrical insulation, electronics, release and industrial laminations with other flexible materials. Its low residual shrinkage makes ADS a unique product for the Flexible Printed Circuits, and some Membrane Touch Switches applications.

Properties

Type ADS MYLAR® has a tensile strength that averages 180 MPa, has excellent resistance to moisture and most chemicals and can withstand temperature extremes from - 70°C to 150°C. Because it contains no plasticisers, type ADS MYLAR® does not become brittle with age under normal conditions.

Film Properties (Typical Values)

Property	Test Method		Value			
Thickness	---	micron	50	75	100	125
Tensile Strength (Mpa)	ASTM D 882	MD	180	180	175	170
		TD	200	200	190	190
Modulus (Mpa)	ASTM D 882	MD	3800	3750	3700	3600
		TD	4000	3900	3800	3800
Elongation (%)	ASTM D 882	MD	150	150	170	175
		TD	130	130	145	155
Shrinkage 105°C for 30 min (%)	ASTM D 1204	MD	0.2	0.15	0.15	0.15
		TD	0.05	0	0	0
Shrinkage 150°C for 30 min (%)	ASTM D 1204	MD	0.7	0.6	0.4	0.5
		TD	0.3	0.2	0.15	0.15
Shrinkage 200°C for 30 min (%)	ASTM D 1204	MD	2	1.8	1.3	1.4
		TD	0.8	0.7	0.4	0.5
Haze (%)	ASTM D 1003		29	36	43	46
Dielectric Strength (minimum) (kV)	Gardner Hazemeter ASTM D 149		7.7	10	11.75	13.5

1mm = 1 micron = 0.001 mm approx 4 gauge, MD = Machine Direction, TD = Transverse Direction

Enquiries should be addressed to:

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Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Teijin Films Medical Caution Statement", H-50102-DTF.

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